



SKILLSHEET 9.5

Producing a frequency table from a frequency histogram

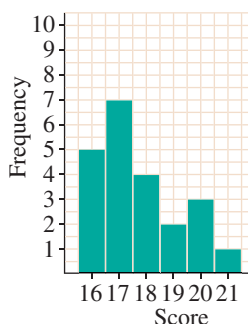
To produce a frequency table from a frequency histogram, follow these steps.

- Step 1 Prepare a table with two columns headed 'Score' and 'Frequency'.
- Step 2 Copy the scores (written underneath the horizontal axis) into the 'Score' column.
- Step 3 The frequency of each score is given by the height of the column above that score, so read the frequency of each score from the histogram and write it in the corresponding cell of the frequency column.

WORKED EXAMPLE

Copy and complete the following frequency table to show the data represented in the frequency histogram.

Score	Frequency
16	5
17	
18	
19	
20	
21	



THINK

- 1 Consider the frequency of the first score (16). The height of the corresponding column in the frequency histogram is 5. This has already been entered in the table.
- 2 Consider the next score (17). The frequency of this score is given by the height of the corresponding column, which is 7. So write 7 in the second cell of the frequency column.
- 3 Read the height of the third column for the third score (18). This corresponds to a frequency of 4, so write 4 in the appropriate cell of the frequency column.
- 4 Consider the heights of the next three columns (corresponding to the frequencies of the scores 19, 20 and 21). They are 2, 3 and 1 respectively. Write these numbers in the appropriate cells of the frequency column.

WRITE

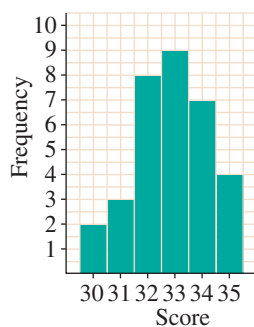
Score	Frequency
16	5
17	7
18	4
19	2
20	3
21	1



Try these

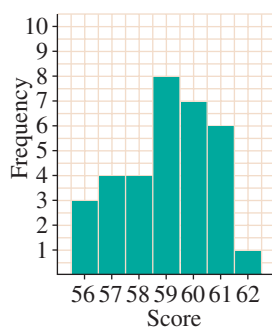
Complete the frequency tables to show the data represented in each frequency histogram.

1



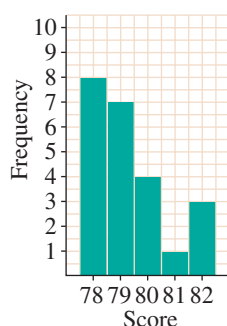
Score	Frequency
30	2
31	
32	
33	
34	
35	4

2



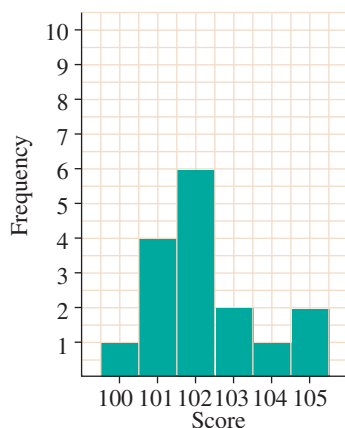
Score	Frequency
56	3
57	4
58	
59	
60	
61	
62	

3



Score	Frequency
78	
79	
80	
81	
82	3

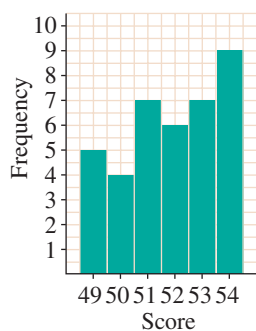
4



Score	Frequency
100	
101	
102	
103	
104	
105	



5



Score	Frequency
49	
50	
51	
52	
53	
54	



SKILLSHEET — ANSWERS

SKILLSHEET 9.5

Producing a frequency table from a frequency histogram

1

Score	Frequency
30	2
31	3
32	8
33	9
34	7
35	4

2

Score	Frequency
56	3
57	4
58	4
59	8
60	7
61	6
62	1

3

Score	Frequency
78	8
79	7
80	4
81	1
82	3

4

Score	Frequency
100	1
101	4
102	6
103	2
104	1
105	2

5

Score	Frequency
49	5
50	4
51	7
52	6
53	7
54	9